



TRANSPORTATION CORRIDOR AGENCIES

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MEMORANDUM

April 28, 2008

To: Valarie McFall

From: Paul Bopp

Subject: Methodology for Determining Coastal Zone Impacts of the AIP-R Alternative

Smart Mobility, Inc. (SMI) of Norwich Vermont prepared a report titled "*An Alternative to the Proposed Foothill South Toll Road, The Refined AIP Alternative Design Modifications to Reduce Displacements*", dated January 2008. As presented on Sheet 9 of the SMI report the AIP-R alternative requires the construction of two extended detention basins in the coastal zone. These basins are located in close proximity to San Mateo Creek where it crosses under the existing I-5 bridge.

The environmental impacts associated with construction of these coastal zone basins were determined using GIS mapping techniques. The size and location of the proposed basins were closely approximated from Sheet 9 of the SMI report and a GIS shape file was created. This shape file was then overlaid over the GIS database of vegetation and cultural resource mapping compiled as part of the Foothill Transportation Corridor-South project and impacts to these resources due to the basins were calculated.

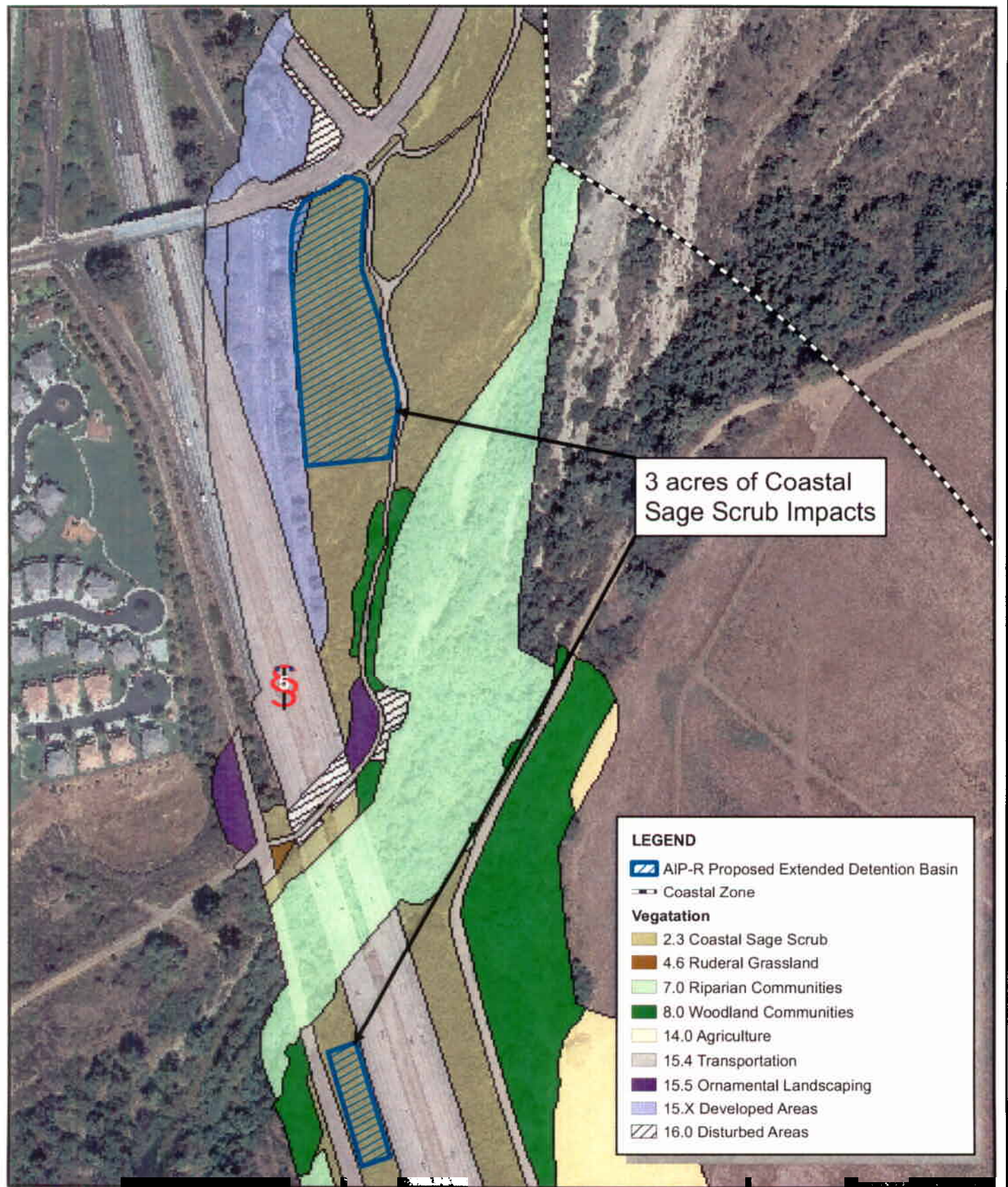
As can be seen in the attached Figure 1, the vegetation mapping indicates that these basins are located in coastal sage scrub which according to the Coastal Commission is an Environmentally Sensitive Habitat Area (ESHA). Construction of these basins would result in impact to 3 acres of coastal sage scrub.

Figure 2 shows that construction of these basins would also result in impacts to cultural resources. The larger of the two basins is located in the San Mateo Archaeological District and would impact 2.6 acres within the district.

The locations of the basins were also compared to areas that the Coastal Commission staff report characterized as Pacific Pocket Mouse Habitat (see Exhibit 13 of the staff report). The location of the basins in relation to the PPM habitat indicates that the larger of the two basins is located within this defined PPM area that the Coastal Commission staff identified as PPM habitat and would impact 2.6 acres.

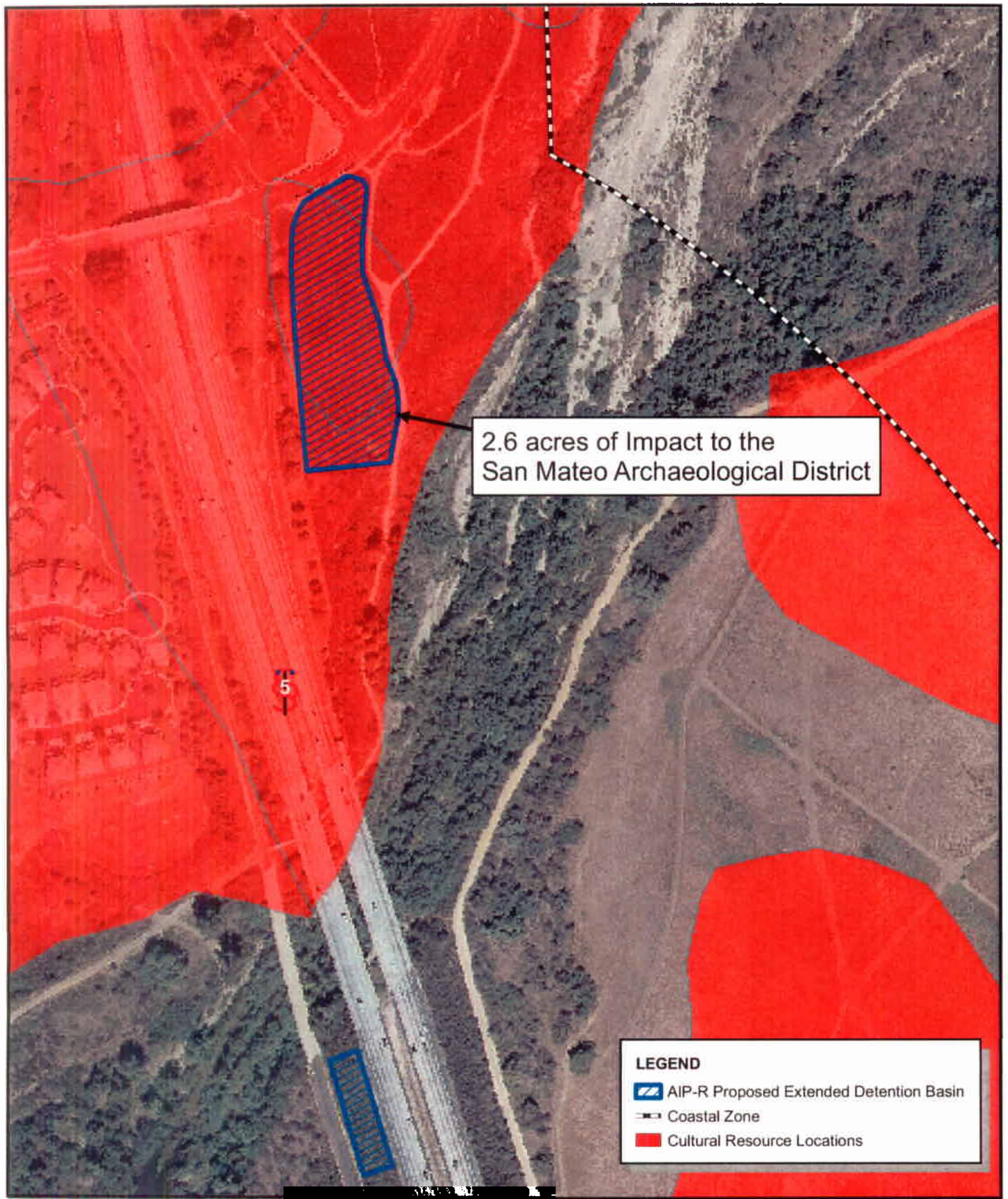
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The staff report, on Exhibit 15, also characterized areas as habitat for Arroyo Toad and California Gnatcatcher that would be impacted by the AIP- R Alternative. The basins would impact 3.0 acres of PPM habitat as characterized by the Coastal Commission.



0 300 600 Feet

**AIP-R Impacts On
San Mateo Creek Vegetation**



AIP-R Impacts On
San Mateo Archaeological District